Subject: Re: Problem with histogram calculation - please need help
Posted by moxament on Mon, 21 Apr 2008 14:52:16 GMT
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> moxam...@gmail.com writes:
>> I have a floating-point array d with dimensions 300x300. The minimum
>> value of the array is 3.07527 x 10^9 and the maximum value is 1054.91
>> x 10^9. I can not calculate the histogram of the array. I get the
>> following message:
>
>> ENVI> hist = HISTOGRAM(d)
>> % Array has too many elements.
>> % Execution halted at: $MAIN$.
>
>> Can anyone tell me how can I overcome this problem please.
>
> I think I would set your bin size more appropriately. :-)
>
> Something like this would probably work:
>
> binsize = (Max(array) - Min(array)) / 100
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Hi Dr. Fanning,

Thank you very much for your response. I did what you said and I did not get the error message. But the resulted histogram is incorrect. I can see the histogram of the image (array) in ENVI correctly but what I want is to calculate the histogram in my algorithm code using the HISTOGRAM function. I can not understand what I can do and why I have so much troubles with this function. It is critical for me to calculate the histogram of the image (array) using the HISTOGRAM function. Please, do you know why the resulted histogram from this function is wrong and what I can to in order to calculate the same histogram that the ENVI shows.

your help is appreciated,

Dabboor